

10/579564

AP20 Rec'd PCT/PTO 12 MAY 2006

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Printed Name <u>Stacy J. Wyatt</u>	Signature <u>Stacy J. Wyatt</u>

PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Applicant: LU, JIANLIANG

Serial No.:

Application Date:

US Nat'l Entry

Date (if applicable):

For: VITAMIN D RECEPTOR MODULATORS

Docket No.: X16541

Group Art Unit:

Examiner:

Conf No.:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure, Applicants submit an "Information Disclosure Citation In An Application" on a Form PTO-1449 (modified) and provides a copy of each of the listed non patent documents for consideration by the Examiner.

Since this Statement is being filed in accordance with 37 C.F.R. 1.97(b), Applicants submit that no additional fee is required. Applicants request consideration of this information.

Respectfully submitted,

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12 May 2006

FORM PTO 1449 (modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Atty. Docket No. X-16541	Serial No. «Application Number» 501532564
	First Applicant LU, JIANLIANG	
	Application Date «Application Date» US Nat'l Entry (if applicable) «NationalEntryDate»	Group Art Unit «GroupArtUnit»

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Pages or Relevant Figures Appear
	AA	US 6,531,459 B1	03-11-2003	Steinmeyer, A et al	
	AB	US 6,218,430 B1	04-17-2001	Allegretto, E. et al	
	AC	US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA					

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher, city and/or country where published.	T ⁶
	CA	Carsten Carlberg & Antonio Mourino: Expert Opinion, vol. 13, no. 6, 2003, pages 761-772, XP002331659, pages 763-765.	
	CB	Masahiko Inouye, Toshiyuki Miyake, Masaru Furusyo, Hiroyuki Nakazumi: "Molecular recognition of beta-Ribofuranosides by synthetic polypyridine_macroyclic receptors" J.Am. Chem. Soc. Vol. 117, 1995, pages 12416-12425, XP001206518.	
	CC	Ping Huang, John Ramphal, James Wei, Congxin Liang, Bahija Jallal, Gerald McMahon and Cho Tang: "Structure-based design and discovery of novel inhibitors of protein tyrosine phosphatases" Bioorganic & Medicinal Chemistry, vol. 11, 2003, pages 1835-1849, XP001206517.	
	CD	BOEHM, M., "Novel Nonsecosteroidal Vitamin D Mimics Exert VDR-modulating Activities" <u>Chemistry & Biology</u> , 1999, 265-275, vol 6(5).	
	CE	NAGPAL, S. et al. "Vitamin D Analogs: Mechanism of Action of Therapeutic Applications", <u>Curr. Med. Chem.</u> 2001, 1661-1679, vol.8.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. Burden Hours Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FORM PTO 1449 (modified) INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Atty. Docket No. X-16541	Serial No. 10/579564 «Application_Number»
	First Applicant LU, JIANLIANG	
	Application Date «Application_Date» US Nat'l Entry (if applicable) «NationalEntryDate»	Group Art Unit «GroupArtUnit»

	CF	BOUILLON R., et al. Endocrine Rev. 1995, 200-257, vol. 16,	
	CG	SWANN et al. "Rational Design of Vitamin D3 Analogues Which Selectively Restore Activity to a Vitamin D Receptor Mutant Associated with Rickets" <u>Org. Lett.</u> 2002, p1863- 3866 vol. 4.	
	CH	SWANN et al. "Structure-Based Design of Selective Agonists for a Rickets-Associated Mutant of the Vitamin D Receptor" <u>J. Am. Chem. Soc.</u> 2002 13795-13805, vol. 124.	

Examiner Signature		Date Considered	
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